

Resource Summary Report

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Northwestern University Electron Probe Instrumentation Center EPIC Core Facility

RRID:SCR_026361

Type: Tool

Proper Citation

Northwestern University Electron Probe Instrumentation Center EPIC Core Facility
(RRID:SCR_026361)

Resource Information

URL: <https://nuance.northwestern.edu/facilities/epic/>

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Description: Offers wide range of electron microscopy (both transmission and scanning), accessory instrumentation, and expertise to the scientific and engineering community through education, collaboration, and service. Provides facilities for preparation and examination of many types of bulk and thin specimens (foils/films), fine particles, and replicas, including biological materials, by transmission and scanning electron microscopy.

Abbreviations: EPIC

Synonyms: , Northwestern University Electron Probe Instrumentation Center - EPIC - part of NUANCE, Electron Probe Instrumentation Center - EPIC - part of NUANCE

Resource Type: core facility, service resource, access service resource

Keywords: ABRF, electron microscopy, transmission electron microscopy, scanning electron microscopy,

Resource Name: Northwestern University Electron Probe Instrumentation Center EPIC Core Facility

Resource ID: SCR_026361

Alternate IDs: ABRF_314

Alternate URLs: <https://coremarketplace.org/?FacilityID=314&citation=1>

Record Creation Time: 20250201T053323+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Electron Probe Instrumentation Center EPIC Core Facility.

No alerts have been found for Northwestern University Electron Probe Instrumentation Center EPIC Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Kulaksizoglu A, et al. (2026) Discovering Complex Metal Chalcogenide Nanostructures through Nanoreactor-Mediated Synthesis. Journal of the American Chemical Society, 148(1), 1692.

Oh E, et al. (2026) Direct-Write Printing of Multifunctional Iontronic Composites That Sense, Rectify, and Actuate. ACS nano, 20(2), 2200.

Seo B, et al. (2026) Electrically Assisted Thermal Stamping of Tunable Carbon-Based Nanofilms for Direct Fabrication of Hydrophobic, Energy Harvesting, and Sensing Devices. Advanced materials (Deerfield Beach, Fla.), e16478.

Murphy KB, et al. (2025) CHAS infers cell type-specific signatures in bulk brain histone acetylation studies of neurological and psychiatric disorders. Cell reports methods, 5(5), 101032.

Antwi SO, et al. (2025) Genome-Wide DNA Methylation Markers Associated With Metabolic Liver Cancer. Gastro hep advances, 4(5), 100621.

Huang C, et al. (2025) Electrostatically Enhanced Buried Interface Binding of Self-Assembled Monolayers for Efficient And Stable Inverted Perovskite Solar Cells. Advanced materials (Deerfield Beach, Fla.), e08740.

Du F, et al. (2025) A biomimetic multi-component subunit vaccine via ratiometric loading of hierarchical hydrogels. Nature communications, 16(1), 5443.

Srour L, et al. (2025) Investigating telomere length in progeroid syndromes: implications for aging disorders. Aging, 17(5), 1190.

Li Y, et al. (2025) Cocrystals combining order and correlated disorder via colloidal crystal engineering with DNA. Science advances, 11(16), eadu4919.

Schaumann EN, et al. (2025) Cellular Responses to Nanoscale Topography Mediated Through the RhoA/ROCK Pathway. *Small* (Weinheim an der Bergstrasse, Germany), e05685.

Lee S, et al. (2025) Examining Metal Identity and Proximity Effects on Acetylene Hydrogenation with Azolate-Based MOFs. *ACS applied materials & interfaces*, 17(50), 67989.

Zhao H, et al. (2025) A stoichiometrically conserved homologous series with infinite structural diversity. *Science* (New York, N.Y.), 390(6777), 1057.

Wang Z, et al. (2025) Polyelemental Nanoparticle Synthesis Enabled by Noncontact Metallothermic Reactions. *Journal of the American Chemical Society*.

Seo SE, et al. (2025) Salt-Induced Polymorphs Observed in Colloidal Single Crystals. *Journal of the American Chemical Society*, 147(38), 34831.

Campbell KA, et al. (2024) Placental and Immune Cell DNA Methylation Reference Panel for Bulk Tissue Cell Composition Estimation in Epidemiological Studies. *bioRxiv* : the preprint server for biology.

Polakkattil BK, et al. (2024) Methylome-wide and meQTL analysis helps to distinguish treatment response from non-response and pathogenesis markers in schizophrenia. *Frontiers in psychiatry*, 15, 1297760.

Tam PLF, et al. (2024) Cell-type differential targeting of SETDB1 prevents aberrant CTCF binding, chromatin looping, and cis-regulatory interactions. *Nature communications*, 15(1), 15.

Antwi SO, et al. (2024) Genome-wide DNA methylation markers associated with metabolic liver cancer. *medRxiv* : the preprint server for health sciences.

Betancor YZ, et al. (2024) A three-gene expression score for predicting clinical benefit to anti-PD-1 blockade in advanced renal cell carcinoma. *Frontiers in immunology*, 15, 1374728.

Awada Z, et al. (2023) Waterpipe and cigarette epigenome analysis reveals markers implicated in addiction and smoking type inference. *Environment international*, 182, 108260.